Claims

What is claimed is:

1   1.   A method of responding to a demand for restoration of lost offline
2   peer-to-peer transaction records comprising:
3   attempting to verify transactions for a plurality of lost transaction
4   records through another party to the corresponding transaction;
5   assigning an accuracy indicator to transactions of the plurality of lost
6   transaction records wherein the accuracy indicator indicates whether the
7   transaction is verified directly through another party to the corresponding
8   transaction; and
9   determining whether transaction records of the plurality should be
10   restored based on the assigned accuracy indicators.

1   2.   The method according to claim 1, wherein said lost transaction records
2   include access rights to digital media.

1   3.   The method according to claim 1, further comprising restoring selected
2   ones of the lost transaction records.

1   4.   The method according to claim 3, wherein said restoring comprises
2   restoring only those transaction records that are verified directly.

1   5.   The method according to claim 3, wherein said restoring comprises
2   restoring at least one of the lost transaction records before the transaction is
3   verified through the other party to the transaction.

1   6.   The method according to claim 3, wherein said determining comprises
2   receiving a log of transaction records from each other party to the transactions
3   for the lost transaction records whose record of the transaction is not lost.

1
2
3

7.   The method according to claim 6, wherein the accuracy indicator further indicates whether the transaction record for a transaction is verified indirectly through another party to the corresponding transaction.

1
2
3

8.   The method according to claim 7, wherein the accuracy indicator indicates the number of parties through which the transaction is verified indirectly.

1
2
3

9.   The method according to claim 7, wherein said restoring comprises restoring only those transaction records that are verified directly and those that are verified indirectly through one other party.

1
2
3

10.   The method according to claim 3, wherein said determining is performed based on a ratio of a number of verified transactions to a number of lost transactions.

1
2
3
4

11.   The method according to claim 10, wherein when the ratio exceeds a threshold, said restoring comprises restoring at least one of the lost transaction records before the transaction is verified through the other party to the transaction.

1
2
3
4

12.   The method according to claim 10, wherein the ratio is of directly verified transactions to a number of lost transactions and when the ratio exceeds a threshold, said restoring comprises restoring at least one transaction that is not directly verified.

1
2

13.   The method according to claim 3, wherein said determining is further based on a history for the party making the demand.

1
2
3

14.   The method according to claim 13, wherein the history for the party indicates whether the party has made one or more previous demands for restoration of lost transaction records.

1   15.   The method according to claim 13, wherein the history for the party

2   indicates verified and unverified transactions.

1   16.   The method according to claim 10, wherein the unverified transactions

2   include refuted transactions.

1   17.   The method according to claim 10, wherein the unverified transactions

2   include transactions for which a transaction log of another party to the

3   transaction is unavailable.

1   18.   The method according to claim 13, wherein the history for the party

2   includes a ratio of a number of verified transactions to a number of lost

3   transactions.

1   19.   The method according to claim 18, wherein when the ratio exceeds a

2   threshold, said restoring comprises restoring at least one of the lost transaction

3   records before the transaction is verified through the other party to the

4   transaction.

1   20.   The method according to claim 18, wherein the ratio is of directly

2   verified transactions to a number of lost transactions and when the ratio

3   exceeds a threshold, said restoring comprises restoring at least one transaction

4   that is not directly verified.

1   21.   The method according to claim 10, wherein the party is blacklisted

2   when the number of unverified transactions exceeds a threshold.

1   22.   The method according to claim 21, wherein when the party is

2   blacklisted, said restoring comprises restoring only those transaction records

3   that are verified directly.

1   23.   A content provider for responding to a demand for restoration of lost

2   transaction records wherein the content provider assigns an accuracy indicator

3   to transactions of the plurality of lost transaction records based on attempts to

4   verify transactions through another party to the corresponding transaction, and

5   determines whether to restore selected ones of the lost transaction records

6   based on the assigned accuracy indicators.

1   24.   A program storage device readable by a machine, tangibly embodying

2   a program of instructions executable by the machine to perform method steps

3   for responding to a demand for restoration of lost peer-to-peer transaction

4   records comprising:

5   attempting to verify transactions for a plurality of lost transaction

6   records through another party to the corresponding transaction;

7   assigning an accuracy indicator to transactions of the plurality of lost

8   transaction records wherein the accuracy indicator indicates whether the

9   transaction is verified directly through another party to the corresponding

10 transaction; and

11   determining whether transaction records of the plurality should be

12 restored based on the assigned accuracy indicators.